

| EMPLOYEE TRAINING RECORD | | |
|--|-------------------------------|--------------|
| TRAINING TITLE Digesters and Digestion Equipment - 1 | | |
| <p style="text-align: center;">KEY TEACHING POINTS</p> <p>Digesters and their related equipment include many hazardous areas and potential dangers.</p> <p>No smoking and no open flames are allowed in the vicinity of digesters, in digestion control buildings, or in any other areas or structures used in the sludge digestion system. This includes pipe galleries, compressor or heat exchanger rooms, and others. Methane gas produced by anaerobic conditions is explosive when mixed with the proper proportion of air.</p> <p>All enclosed rooms or galleries in this system should be well ventilated with forced air ventilation. Never enter any enclosed area or pit which is not ventilated. Always check for an oxygen deficiency, explosive gases and hydrogen sulfide before entry and during occupancy. Do not depend on your nose for hydrogen sulfide (H₂S) detection in these areas. H₂S will make your sense of smell immune to the odor in a short period of time. Use an approved atmospheric monitor.</p> <p>When you are working in a digester, forced air ventilation with a portable explosion-proof blower should be provided. Blower capacity in cubic feet per minute should be greater than the digester volume in cubic feet divided by 20. Two blowers located at different openings will do a better job than one large blower of the same capacity as the total capacity of the two smaller ones. Do not go into an area by yourself where atmospheric hazards may exist. Have someone watch you.</p> <p>Never enter a partially empty or completely empty digester without following all confined space procedures. Explosion-proof lights and nonsparking tools and shoes must always be used when working around, on top of, or in a digester unless it has been completely cleaned and emptied, continuously ventilated by a blower and constant checks are made of the atmosphere in the tank.</p> | | |
| TEST | | |
| QUESTION | ANSWERS | |
| | TRUE | FALSE |
| 1. Hydrogen Sulfide affects your ability to smell it and presents a particular hazard. | | |
| 2. Methane when mixed with air can be explosive. | | |
| 3. Any blower will work to ventilate a digester. | | |
| 4. Never perform hotwork without a hotwork permit. | | |
| 5. Any tools can be used when working around a digester. | | |
| EMPLOYEE'S NAME | EMPLOYEE'S SIGNATURE | DATE |
| INSTRUCTOR'S NAME | INSTRUCTOR'S SIGNATURE | DATE |

1. True 2. True 3. False 4. True 5. False